Sample Drawing 15

Walnut Creek
Apple Brook
Beacon Property

Elevations in Feet
(referenced to benchmark)

102
100
86
90
98
90
100
102

Surface Area
_____ Acres at Normal Water
Surface Elevation
_____ Acres at Design Flood
Elevation

Granny Smith Property

DAM

Benchmark Location and Elevation

McIntosh Property

SITE PLAN
0   300'
Scale

Freeboard
Top of Dam 104
Design Flood Elevation 102
Proposed Water Surface 100
cold water draw
Upstream Slope 3:1
stoplogs
10'
6'
el 91.0'
3'
Downstream Slope 3:1
6" - 12" angular riprap
Existing Water Surface 94 (Tailwater)
invert 90.5'
Channel Bottom

SECTION A - A
Slope: horizontal:vertical
0   20'
Scale

LOCATION MAP
Pine Way
Elm St.
Cherry Ln.
SITE
Maple Rd.

PROPOSED DAM

APPLICANT:
WATERWAY:
CITY/TOWNSHIP:
COUNTY:
NUMBER OF SHEETS: ___ OF ___
DATE:

Sample Drawing 16

Restore disturbed areas to pre-existing conditions/elevations
ORDINARY HIGH WATER MARK
Backfill with clean sand or gravel
EXISTING LAKE BOTTOM
INTAKE (Screened riser)
WATER SURFACE - 8/20/99
20' Depth of water
6'
LAKE BOTTOM
3 cu yds clean riprap
100'

PROFILE DRAWING
0   30'
Scale

West Lake Shore Drive
602
608
Proposed 300' of 6" pipe
Round Lake

PLAN DRAWING

PROPOSED: WATER INTAKE

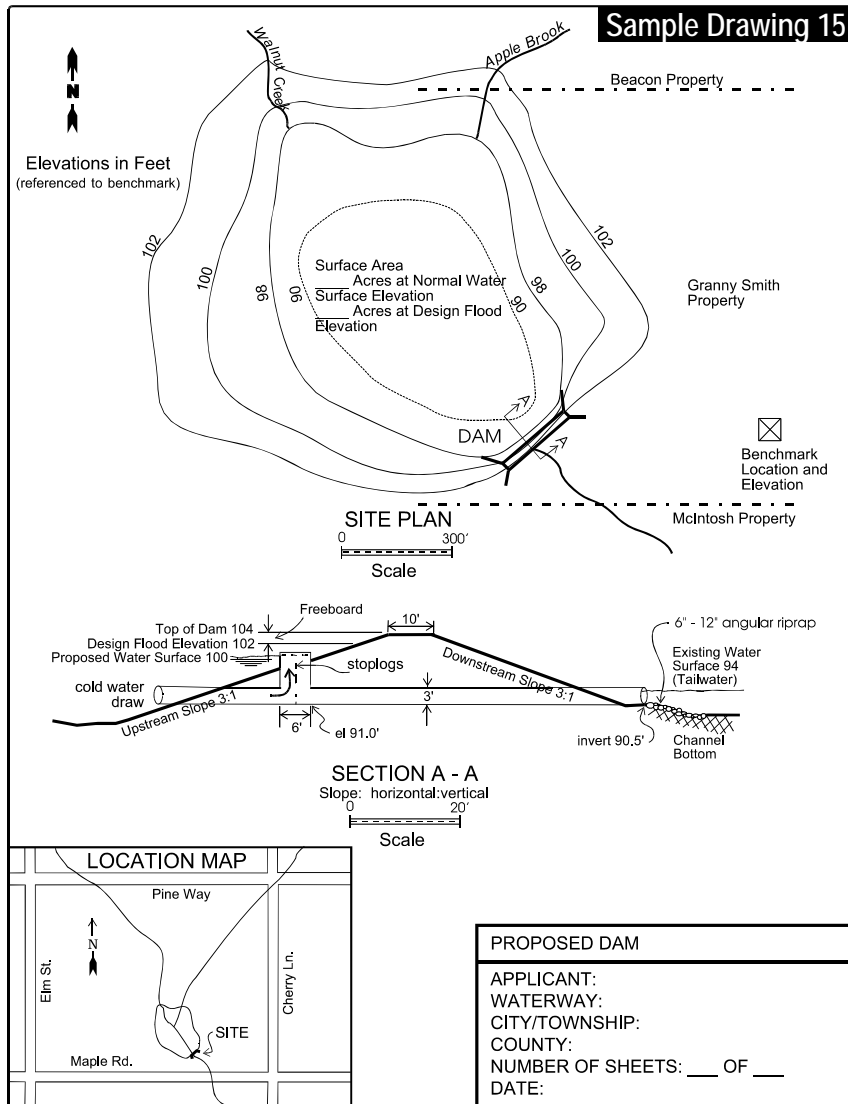APPLICANT:
WATERWAY:
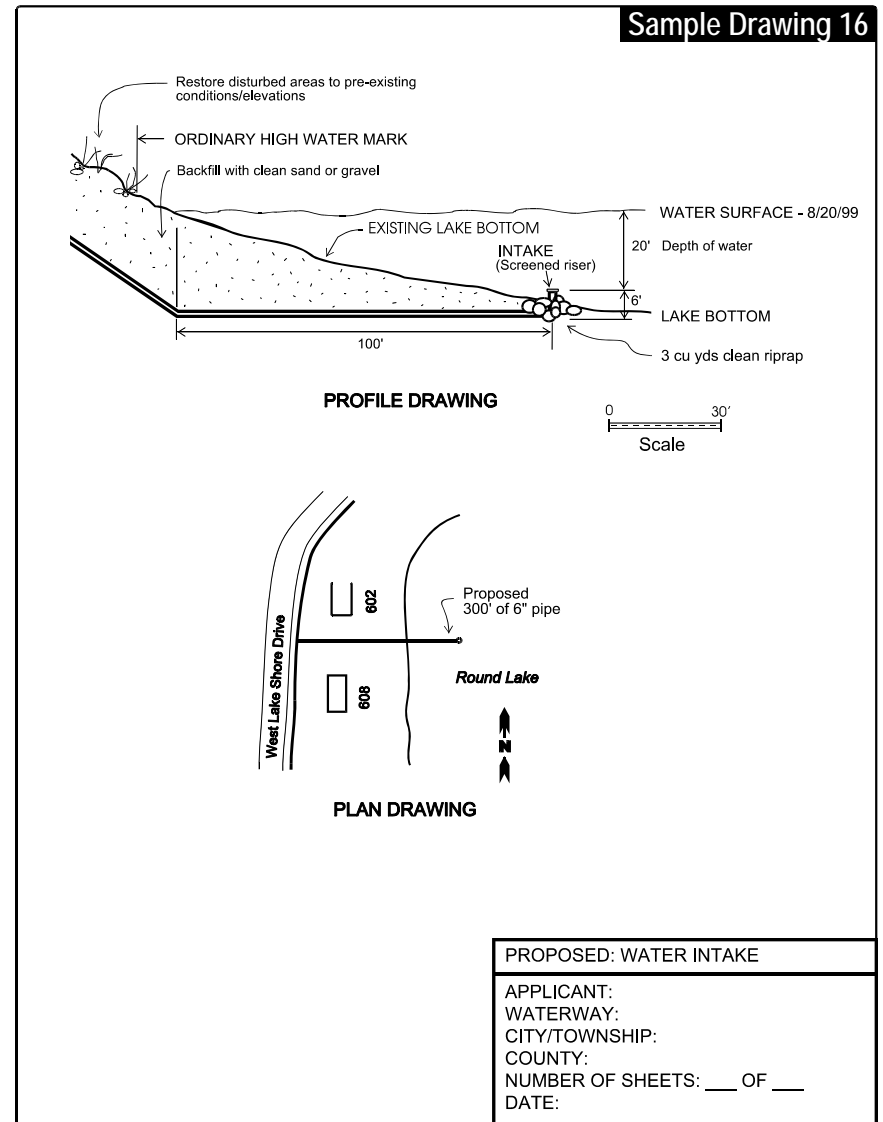CITY/TOWNSHIP:
COUNTY:
NUMBER OF SHEETS: ___ OF ___
DATE:

Complete **Section 17** and **Sections 10A, 10B, 10C, 11, 12, 14, and 16** if applicable to your project.
Provide *plan view* and *cross-section* site-specific drawings adequate for detailed review, include:
❑ Overall site plan showing existing lakes, streams, wetlands, *floodplains,* and other water features.
❑ Name of waterbodies, property boundaries, and neighboring property owner information.
❑ Highest known and observed water elevations (ft) and dates of observations (M/D/Y).
❑ Datum used (IGLD 85, NGVD 29, or local) and a description of the reference point or benchmark..
❑ Elevation of low point in top of embankment excluding spillways.
❑ *Soil erosion and sedimentation control measures.*
For a new dam include:
❑ Embankment top elevation and streambed elevation at downstream embankment toe.
❑ Structural height (embankment top elevation minus streambed elevation at downstream toe).
❑ Embankment length, top width, bottom width, and upstream and downstream *slopes* (vert./horiz.).
❑ Proposed normal pool and design flood elevations.

Complete **Section 10J** and **Sections 10A, 10B, 10C, 12, 13, and 16** if applicable to your project.
Provide *plan view* and *cross-section* site-specific drawings adequate for detailed review, include:
❑ Overall site plan showing existing lakes, streams, wetlands, floodplains and other water features.
❑ Name of waterbodies, property boundaries, easement boundaries, neighboring property owner information, and *soil erosion and sedimentation control measures.*
❑ Highest known and observed water elevations (ft) and dates of observations (M/D/Y).
❑ Datum used (IGLD 85, NGVD 29, or local) and a description of the reference point or benchmark.
❑ Detailed dimensions (length, width, depth, diameter, etc.) of headwall, end section, and/or pipe.
❑ Pipe invert elevation.
❑ Number of pipes and pipe diameters and invert elevations.
❑ Dimensions from fixed objects to property boundaries and the proposed water intake.